

TT-65-27931

Field 11F

Source: A.A.A.

NOUVELLES TENDANCES DES FOIRS PITS A
REGENERATION. Org. 2-5154 P. 413; CNRS-G/R-4813.
Order from CNRS as G/R-4813

Trans. in French of Sci (USNY) v24 n5 p459-61 1964.
For another listing of this journal see 'Translated or
Abstracted Publications.' in this issue.

I. Centre National de la
Recherche Scientifique,
Paris (France)

European Translations Centre

TT-65-27949

Field 11F

Sorokin, A. I.; Kutsenko, A. D.; Karpunin, A. M.;
Rekhlin, G. N.; Shestobina, P. A.
PRODUCTION DE RAILS EN ACIER A L'OXYGENE.
Org. 2-5152 P. 216-U. 512; CNRS-G/R-4811.
Order from CNRS as CNRS-65-G/R-4811

Trans. in French of Stal (USSR) v24 n5 p417-8 1964.
For another listing of this journal see "Translated or
Abstracted Publications," in this issue.

I. Centre National de la
Recherche Scientifique,
Paris (France)

European Translations Centre

Decay Scheme of Zr^{97} ^N ^N ~~and Pb^{97}~~ ~~XXX~~, by N. N. Daliagin,
A. A. Sorokin, N. V. Forafontov, V. S. Shpinel', 10 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XX,
No 8, 1956, pp 913-924.

Columbia Tech

Sci - Phys

Sep 57

53, 272

Investigation of the Decay Scheme of Gd^{147} ,
by A. S. Sorokin, K. P. Mitrofanov, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,
No 7, 1961, pp 799-802.

CTT

Sci
Sep 62

210,666

9
Standards of Amortization for Vessels of the
Fishing Fleet, by A. V. Sorokin,
RUSSIAN, per, Rybnoe Khoz. Vol XL, No 8, 1964,
pp 80-81.

Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

USSR
Econ
Jun 67

329,102

Control of the River Terek at its Lower Part,
by Boris Sorokin, 17 p.

RUSSIAN, per, Vestnik Irrigatsii, 1930,
Vol VIII, No 2, pp 89-95.

SLA 59-17389

Sci
Jan 60
Vol 2, No 8

105,480

Heterocyclic Compounds. 43. Synthetic
Pain-Relieving Substances. VIII. 1-
Alkyl-2,5-dimethyl-4-phenyl-4-piperidinols,
by I. N. Nazarov, N. I. Shvetaov, C. I.
Soroki, 12 pp.

RUSSIAN, no per, Zhur Obshch Khim SSSR, Vol
XXVI, No 11, 1956, pp 3157-3169.

Consultants Bureau

Sci -- Chem
Jul 56

67,595

New Digital Instruments, by F. A. Sorokin.
5 pp.

RUSSIAN; ger, Izmeritel Tekh, No 4, 1961,
pp 48-52.

ISA

Sci

Feb 62

184. 381

The Building of Communism and Long-Range Planning,
by G. Sorokin, 10 pp.

RUSSIAN, per, Kommunist, No 5, 1960.

Internatl Arts & Sci Press
Problems of Economics
Vol III, No 5

USSR
Econ
Dec 60

134,868

Soviet Bloc Economic Planning, by G. Serchin, 14 pp.

RUSSIAN, par, Plan Khoz, No 12, 1963, pp 1-11.

SP15 22354

**USSR
Econ
Jan 64**

246, 639

p23
International Socialist Cooperation--a Powerful Force for
Economic Development in the Socialist Nations.
by G. Sorokin, 6 pp.
BULGARIAN, np, Rabotnichesko Delo, 2 Dec 1964, pp 3, 4.
IPRS 28099

EE-Bulgaria
Econ
Feb 65

263,269

Soviet Bloc Economic Planning, by G. Seretia, 14 pp.
RUSSIAN, per, Plan Khoz, No 12, 1963, pp 1-11.

JPRS 23854

USSR
Econ
Jan 64

346, 660

(FDD 19159)

Planning in the Soviet Economy, by G. Sorokin,
39 pp.

RUSSIAN, semino per, Bol'shevik, No 24, Moscow,
30 Dec 1948, pp 12-29.

CIA/FDD/U-5203

USSR

Econ

8952

Electrical Conductivity and Photoconductivity of
Al₂O₃ - Si System Films Prepared by the Vekshinsky
Method, by L. N. Kost, G. F. Sorokin, 4 pp.

RUSLAN, per, Zhur Tech Fiz, Vol XXVIII, No 8,
1958, pp 1657-1661.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol III, No 3

S-1 - Phys

Mar 53

83,574

164
Some Properties of Thin Films in the Cu-Se and
Cu-Te Systems, by G. P. Sorokin,
RUSSIAN, per, Uch. Zap. Kishinevsk. Gos. Univ.,
Vol XLIX, 1961, pp 123-128.
ATC BJ-4700

Sci-Phys
Jul 67

329,121

PROBLEMS OF INTERNATIONAL SOCIALIST DIVISION
OF LABOR, BY GENADIJ SOROKIN, 10 PP.

POLISH, PER, EKONOMISTA, NO 5, NOV 1962,
PP 1102-1110.

JPRS 16941

EEUR - POLAND
ECON
JAN 63

218,776

Primary Production in the Atlantic Ocean, by
I. Yu. Serdyuk, L. B. Kiliashov et al.
RUSSIAN, par. Trudy Vses Gid Okech, Vol XI,
1961, pp 265-284.

Fisheries Research Board
Canada, Nanaimo Station

Sci - Earth Sci

Mar 64

252,169

The Operation of Blast Furnace Designs, by L. A. Sorokin.

RUSSIAN, blk.

May 62

*CB (has a picture/drawing
dated 22/5/62).

Electrodes With Plastic Gas-Shielding Coverings
for Welding Mild and Low-Alloy Steels, by A. G.
Mazel', E. M. Rogova, L. I. Sorokin, 6 pp.

RUSSIAN, per, Svaroch Proiz, No 5, 1960,
pp 25, 28.

BWRA

Sci

158, 483

Jun 61

244,756

Determination of the Position of Carbon in Graphite
by the Neutron Diffraction Method, by G. G. Lyachchenko,
L. M. Gorkin, 5 pp.

RUSSIAN, per, Kristallografiya, Vol VIII, No 3, 1963,
pp 382-387.

Amor Inst of Phys
Sov Phys - Crystal
Vol VIII, No 3

Sci
Jan 64

Lehrbuch der Geophysikalischen Methoden zur Erkundung
von Erdolvorkommen, 1953, by L. V. Sorokin, and others.

Translated from the Russian edition, 1950

DSIR 550.83
Lending Lib Unit
G. 11231

A Course of Geophysical Methods of Surveying Petroleum Deposits, by Prof L. V. Sorokin, Docent V. O. Uryson, L. A. Ryabinkin, V. A. Dolitsky, 8 pp.

Table of Contents only

RUSSIAN, bk, issued by Min of Higher Education USSR, State Sci Tech Publ House of Petroleum and Mineral Fuel Let, Moscow, Leningrad, 1950. CIA D - 39/588

FDD/Z-37 AF - 7/55/5

Note: Year 1950

Scientific - Geophysics, petroleum, fuel

CIA 1002912

A-1773

Development and Current Status of Gravimetry in the
USSR, by L. V. Sorokin, 11 pp.

RUSSIAN, par, Gravimetriya i Gravimetricheskaya
Kosvedka, Chap VI, 1951, pp 12-20.

CIA/FDD X-4579

Sci - Geophysics
Mar 61

141,601

Sorokin, M. F. and Khinchina, E. L.
SYNTHESIS OF COPOLYMERS OF ALLYL GLYCIDYL
ETHER WITH BUTYL METHACRYLATE. Mar 64.
Order from TTIS \$27.00

TTIS NS-181

Trans. of Lakokrasochnye Materialy i Ikh Primenenie]
(USSR) 1963, no. 4, p. 5-10.

(Materials--Paints, TT, v. 11, no. 11)

TT-64-12814

- I. Sorokin, M. F.
- II. Khinchina, E. L.
- III. TTIS-NS-181
- IV. Translation and Technical
Information Services,
London (England)

85353

Office of Technical Services

Sorokin, M. F. and Kochnov, L. M.
SYNTHESIS OF COPOLYMERS OF GLYCIDYL METHA-
CRYLATE AND STYRENE IN SOLVENTS AND THE
PREPARATION OF COATINGS BASED ON THEM.

Mar 64

Order from TTIS \$18.00

TTIS NS 182

Trans. of Lakokrasochnye Mat[erialy i Ich Primeneniye]
(USSR) 1968, no. 4, p. 10-15.

(Materials--Paints, TT, v. 11, no. 11)

TT-64-12815

- I. Sorokin, M. F.
- II. Kochnov, L. M.
- III. TTIS-NS-182
- IV. Translation and Technical
Information Services,
London (England)

85352

Office of Technical Services

Epoxy Lacquer Resins, by M. F. Sorokin, 22 pp.

RUSSIAN, per, Khim Prom, No 5, Jul-Aug 1957,
pp 54-61.

ATIC MCL F-TS-9851/III

Sci
Jun 61

152,279

Sorokin, M. F. and others.
SOLVENTLESS EPOXY FINISHES, PT. I. Aug 63.
Order from TTIS \$30.00 TTIS NS 121

Trans. of Lakokrasochmye Materialy i Ikh Primenenie]
(USSR) 1963, no. 2, p. 1-5.

DESCRIPTORS: *Epoxy plastics, *Finishes and
finishing, Plastic coatings.

(Materials--Finishes, TT, v. 10, no. 10)

63-22268

I. Sorokin, M. F.
II. TTIS NS-121
III. Translation and
Technical Information
Services (Gt. Brit.)

1252342

Office of Technical Services

61-13701

Sorokin, M. F. and Shode, L. G.
 GLYCID Ethers POLYMERS. I. POLYMERISATION
 OF PHENYL GLYCID ETHER UNDER THE ACTION
 OF ALKALINE CATALYSTS AND INITIATING
 AGENTS (Polimery Glitsydykh Yefirov. I. Polimeri-
 zatsiya Prosto go Fenilglitsidnogo Yefira pod Delstvi-
 yem Shchelochnykh Katalizatorov i Initsiiruyushchikh
 Dobavok). [1960] 9p. 12 refs. M. 2206.
 Order from LC or SLA m\$1.80, ph\$1.80 61-13701

Trans. of Vysokomolekularnyye Soyedineniya (USSR)
 1959, v. 1, no. 10, p. 1487-1492.

A new method is proposed for the formation of phenyl-
 glycid ether polymers. Use is made of alkaline cata-
 lysts (KOH, C_2H_5ONa , NaOH) and additions of initiat-
 ing substances capable of rupture of the α -oxy ring.
 The polymerization rate is dependent upon the type and
 quantity of catalyst and upon the amount of initiator, as
 well as upon the reaction temperature. A number of
 polymers was isolated, split into fractions and analyzed.
 (Chemistry--Organic, TT. v. 5, no. 2) (over)

- I. Ethers--Polymerization
- I. Sorokin, M. F.
- II. Shode, L. G.
- III. Title: Polymerization...
- IV. DSIR LLU M. 2206

Office of Technical Services

Sorokin, M. F. and Laguzina, A. M.
THE INTERACTION OF CERTAIN ARYLGLYCIDIC
ESTERS WITH ALCOHOLS OF THE ALIPHATIC
SERIES. [1961] 7p. 5 refs.
Order from ODS or SLA \$1.10

61-20627

Trans. of Nauchnye Doklady Vysshel Shkoly. Khimiya i
Khimicheskaya Tekhnologiya (USSR) 1958, no. 1,
p. 110-114.

DESCRIPTORS: *Epoxy resins, Resins, Synthesis,
*Resorcinol, Ethers, Phenoxy radicals, Propanes,
Epoxides, *Alcohols, Propanols, Alkoxy radicals,
Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 5)

61-20627

I. Sorokin, M. F.
II. Laguzina, A. M.

195005

Office of Technical Services

Sorokin, M. F. and Laguzina, A. M.

THE INTERACTION OF CERTAIN ARYLGLYCIDIC
ESTERS WITH ALCOHOLS OF THE ALIPHATIC
SERIES. [1958] pp. 5 refs.

Order from CTS or SLA \$1.10

61-20627

Transl. of Sootnyye Doklady Vysshel Shkoly. Khimiya i
Khimicheskaya Tekhnologiya (USSR) 1958, no. 1,
p. 110-114.

DESCRIPTORS: *Epoxy resins, Resins, Synthesis,
*Heterocyclic, Ethers, Peroxy radicals, Propanes,
Epoxides, *Alcohols, Propanols, Alkoxy radicals,
Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 5)

61-20627

I. Sorokin, M. F.
II. Laguzina, A. M.

195005

Office of Technical Services

Sorokin, M. F., Angarskaya, E. Ya., and Shuvalova, A. N.

THE MECHANISM OF FORMATION OF EPOXY RESINS FROM EPICHLOROHYDRIN AND BIS(HYDROXYPHENOL) PROPANE. [1961] [20]p. 11 refs.

Order from OTS or SLA \$1.60 62-10666

Trans. of Khimicheskaya Promyshlennost' (USSR) 1960, no. 8, p. 643-652.

DESCRIPTORS: *Epoxy resins, *Halohydrins, Phenols, *Propanes, Ethers, Glycerols, Hydrolysis, Synthesis.

Epoxy resins with increased softening temperatures can be obtained by the method of direct condensation, not resorting to the fusion method. Resins with higher softening temperatures have been obtained (with a molar ratio of epichlorohydrin to bis(hydroxyphenyl) propane from 1.5:1 to 1.1:1) by the method in which epichloro- (Chemistry--Organic, TT, v. 8, no. 7) (over)

62-10666

- I. Sorokin, M. F.
- II. Angarskaya, E. Ya.
- III. Shuvalova, A. N.

C222952

Office of Technical Services

Epoxy Lacquer Resins, by N. F. Sorokin, 22 pp.

RUSSIAN, per, Khim Prom, No 5, Jul-Aug 1957,
pp 54-61.

ARMED MCL P-TS-9851/III

Sci
Jun 61

152,279

61-20627

Sorokin, M. F. and Laguzina, A. M.
THE INTERACTION OF CERTAIN ARYLGLYCIDIC
ESTERS WITH ALCOHOLS OF THE ALIPHATIC
SERIES. (1958) 7p. 5 refs.
Order from OCS or SLA \$1.10

61-20627

Trans. of Nauchnoy Eksperymental'noy Khimii
Khimicheskaya Tekhnologiya (USSR) 1958, no. 1,
p. 110-114.

DESCRIPTORS: *Epoxy resins, Resins, Synthesis,
*Alcohols, Ethers, Peroxy radicals, Propanes,
Ethers, *Alcohols, Propanols, Alkoxy radicals.
Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 5)

I. Sorokin, M. F.
II. Laguzina, A. M.

195005

Office of Technical Services

The VO-40 Oil-Vapor High - Vacuum Pump
with Air Cooling, by M. M. Sorokin, 3 p.

RUSSTAN, per, Priboiy 1 Tekh Eksper, No 3,
1960, pp 131-133.

TSA

Sci-
Feb 61

142,382

The Condensation of Melamine and Formaldehyde and the Preparation of Melamine Formaldehyde Resins and Plastics From These Resins, by A. A. Vansheidt, Z. K. Naumova, N. E. Sorokina, 14 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XX, No 3, 1947, pp 163-169.

Sci Trans Center RT-3403

32,494

Scientific - Chemistry

Apr 56

R-2403

(DC-2868).

The Establishment of New, and Modern Complete
Technological Flow Processes and the Reduction of
Specific Capital Investments in Oil Refining -
A Highly Important Task in the Seven Year Plan for
the Development of the USSR Oil Industry, by A. P.
Aref'ev, I. E. Kropitskiy, M. I. Sorokin, 10 pp.

RUSSIAN, per. Khim i Tekh Top i Muzel, No 4, 1959,
pp 1-6.

USSR

SPRS-L-1783-D

72.890

Econ - Technological - Petroleum Industry

Jul 59

Synthetic Anesthetics. Communications XXXII.
cis-1,2,6 Trimethyl 1-4-Piperidone and Its
Derivatives, by I. N. Nazarov, O. I. Sorokin,
6 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel
Khim Nauk, No 5, 1960, pp 872-878.

CB

Sci
May 62

194,652

Synthetic Anesthetics. Communication 33.
2,3,5-Trimethyl-4-Piperidone and Some of
Its Derivatives, by O. K. Sorokin, 5 pp.

RUSSIAN, per, Iz Ak Nauk
SSSR, Otdel Khim Nauk, No 3, 1961,
pp 460-465.

CB

200,653

Sci
Apr 62

Photoanodes for the Investigation of Sun's
Short-Wave Radiation, by Yu. A. Blaha,
A. M. Tyutinov, O. M. Sorokin.

IZVESTIY, bk, Izvestiya Sputniki Zemli,
No 10, 1961, pp 55-60.

WASH TT F-8181

Sci - Space/Res, Phys
14 Jun 62
US GOV'T USE ONLY

201,203

Photoelectric Emission from Mercury Selenide,
by O. M. Sorokin, 10 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 7,
1958, pp 1413-1423.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 7

Sch - Phys

Mar 59

83,086

Concerning the Applicability of "The Effective Surface
Recombination Velocity" Parameter in Ge and Si, by
V. A. Petrusevich, O. V. Sorokin, 6 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 7,
1961, pp 2023-2030.

AIP
Sov Phys - Solid State
Vol III, No 7

Sci
Jun 62

201,690

Calculation of the Creep of Beams During Bending,
by G. V. ~~Sapozhnikov~~, Yu. P. Samarin, 2 pp.
RUSSIAN, per, Dokl Ak Nauk SSSR, Physics Sections,
Vol CIVII, No 4-6, Aug 1964, pp 1325-1328.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,559

A Method for Measuring the Volume Lifetime and the Diffusion Coefficient of Current Carriers by Measuring the Resistance of a Semiconductor in a Magnetic Field, by O. V. Sorokin, 3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 12, 1957, pp 2774-2776.

Amer Inst. of Phys
Sov Phys - Tech Phys
Vol XX, No 12, 1957

Sci - Phys
Jul 58

67,466

Measurement of Surface Recombination Rates in
Thin Semiconductor Specimens With Qualitatively
Different Boundaries, by O. V. Sorokin, 6 pp.

RUSSIAN, no par, Zhur Tekh Fiz, Vol XXVI, No 11,
Nov 1956, pp 2467-2472.

Amer Inst of Phys
Sov Phys, Tech Phys
Vol I, No 11

Sci - Physics
Nov 57

55, 192

A New Method for Measuring the Intensity of a Magnetic Field, by G. E. Pikus, O. V. Sorokin, 5 pp.

RUSSIAN, per. Zhur Tekh Fiz, Vol XXVII, No 11, 1957, pp 2647-2651.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 11

Sci - Physics
Jul 58

66,317

Measurement of the Lifetime, Diffusion
Coefficient, and Rate of Surface Recombina-
tion for Nonequilibrium Current Carriers in a
Thin Semiconductor Specimen, by O. V. Sorokin,
7 pp.

RUSSIAN, no par, Zhur Tekh Fiz., Vol XXVI,
No 11, Nov 1956, pp 2473-2479.

Amer Inst of Phys
Sov Phys, Tech Phys
Vol. I, No 11

Sci - Physics
Nov 57

55,193

On the Question of the Effect of an External
Electrostatic Field on the Surface Recombination
Rate in Germanium, by V. P. Zhuze, G. E. Pikus,
O. V. Sorokin. 6 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVII, No 1,
Jan 1957, pp 23-29.

Ameri Inst of Phys
Sov Phys, Tech Phys
Vol II, No 1

56,911

Sci - Phys

Jan 58

A Method for Measuring the Rate of Surface Recombination in Accordance with the Variation of the Resistance of a Semiconductor in a Magnetic Field, P. Zhur, G. E. Pikus and O. V. Sorokin, 7 pp. ^{by}

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 6, ¹⁹⁵⁷ pp 1167-1173.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 6

Sci - Phys
May 58

62, 723

Relation Between Creep and Relaxation of Stresses in
Metals, by E. A. Oling, O. V. Sorokin, N. D. Sazanova

RUSSIAN, three-to per, Dok Ak Nauk SSSR, Vol XCII, No 3,
1953, p 565.

NBF 152

Scientific - Minerals/Metals
CES/DER

8534

Comparative Investigation of Magnetoconcentration and Photoelectric Methods of Measuring the Surface Recombination Rate, by G. V. Sorokin, B. T. Tuseyev, 113 pp 3 pp

RUSSIAN per Fizika Tverdogo Tela, Vol II,
No 7, 1960, pp 1531-1533 ~~1533-1535~~

140, 724
ATP
Sov Phys-Solid State
Vol II, No 7

Sci-
Feb 61

Equipment for Investigating Transient Processes
On Semiconductor Surfaces, by O. V. Sorokin, 32 pp.

RUSSIAN, part, Anthony J. Tekhnika Mirovostroyeniya,
No 2, 1959, pp 68-75.

UBASIA SC-590/59

Sci - Electronics

Apr 60

114,359

- NCH-200 550

Field 11F

Sorokin, P. I.; Fominykh, I. P.; Bespalov, Y. G.
THE TREATMENT OF CUPOLA IRONS WITH ALLOYS OF
RARE-EARTH METALS. Dec 64, 19p, (foreign text
included) 42 refs. ING-TRANS-64/263; NLL-M.5629.
Order from NLL as M.5629

Trans. of Liteinoe Proizvodstvo (USSR) n9 p27-31 1964.
See also 'Translated or Abstracted Publications,' in
TT Vol. 14, No. 8.

I. International Nickel Co.
(Mond) Ltd.,
London (England)

304083
A004003

An Apparatus for the Corrosion-Erosion Testing of
Heat-Resisting Materials in the Combustion Gases
of Liquid Fuels, by A. I. Maksimov, P. V. Sorokin,
et al, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXVII, No 10, 1961,
pp 1311-.

ISA"

Sci
Aug 62

206,794

Polarization of Protons Elastically Scattered from
Si²⁸ Nuclei, P. V. Sorokin, A. K. Val'ter, I. Ya.
Malakhov, and A. Ya. Taranov, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXV,
No 6(12), 1959, pp 1386-1390.

Amer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 6

Sci - Phys

Jun 59

89,067

Elastic Scattering of Protons by A^{40} , by A. K.
Val'ter, I. Ya. Malakhov, P. V. Sorokin, A. Ya.
Taranov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,
No 7, 1959, pp 346-348.

Columbia Tech

Sci

Oct 60

129,338

Elastic Scattering of Protons by Ne^{20} , by
A. K. Val'ter, A. S. Deineko, P. V. Sorokin, *et al*,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,
No 7, 1960, pp 884-886.

CIT

Sci

169, 344

Sep 61

Polarization of protons scattered by O^{16} .
Spin and parity of the 3.11-mev level of the
 P^{17} nucleus, by P. V. Sorokin, A. K. Val'-
ter, E. V. Gavriloski, K. V. Karadshev,
V. I. Manko, A. Ya. Taranov, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol 3, No 3(9), 1957, pp. 606-609.

Amer Inst of dPhys
Sov Phys-JETP
Vol 6(33), No 3

Sci - Phys

Jun 58

65,139

The Polarization of Protons Scattered Elastically
by C^{12} , by P. V. Sorokin, A. Ya Taranov, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak. Nauk SSSR, Vol CXI,
No 1, Nov-Dec 1956, pp 82-

Amer Inst of Phys
Sov Phys "Doklady"
Vol I, No 6

Sci - Physics
Oct 57

53,418

Double-Focusing Magnetic Spectrometer, by A. S.
Deineko, A. I. Popov, P. V. Sorokin, 5 pp. *et al*

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,
No 7, 1960, pp 924-928.

GTT

Sci

Sep 61

169,023

Elastic Scattering of Protons by Si^{28} Nuclei. Spin and Parity of the 4.31 and 4.73 Mev Levels of p^{29} , by A. K. Val'ter, I. Ya. Malakhov, P. V. Sorokin, A. Ya. Tarasov, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXII, 1958, No 7, pp 871-876.

Columbia Tech

Sci - Phys

Oct 59

99,347

68
Degassing of Electro-chemical Steel in Vacuum,
by P. Ya. Sorokin.

RUSSIAN, per, Trudy Inst Met Nauk SSR, Vol 2,
1958, pp 67-72.

*BISI 7866

ETC-69-36755

P. Ya. Sorokin

Sci-Materials

Jan 70

The Vacuum Treatment of Converter Steel, 59
by P. Ya. Sorokin.

ISSN, Vol. 1, No. 1, Nov 1960, pp 857-810.

1961 10 11

P. Ya. Sorokin

1961 10 11

1961 10 11

200,727

Zirconium Junctions for Thermocouples Used for
Measuring Molten Steel Temperatures, by P. Ya.
Sorokin.

RUSSIAN, per, Ogneupory, No 11, 1959, pp 517-522.

BISI 2611

Sci - Engr

Mar 62

list 121

186,922

Experiments in Continuous Measurement of the
Temperature of Molten Steel in the Ladle and the
Furnace, by P. Ya. Sorokin.

RUSSIAN, per, Metallurg, Vol IV, No 12, 1959,
pp 19-21.

MT Tr-18

SLA 61-22795

Jan 62

The Vacuum Treatment of Converter Steel, by
P. Ya. Sorokin, 3 pp.

RUSSIAN, per, Stal, No 11, 1960, pp 988-991.

BISI

Sci

Apr 61

145,403

80
Towards the Problem of the Vacuum Degassing of
Electrical Steel, by P. Ya. Sorokin, et al.,
RUSSIAN, per. Trudy Ak. Na. SSSR, Ural'sk. Fil.
Inst. Met., No 2, 1958, pp 67-72.
EISI 7838

Sci/Int
Mar 70

P. Ya. Sorokin

404,240

The Continuous Measurement of Liquid Steel
Temperature in the Ladle, by P. Ma. Sorokin,
A. V. Zabaykin, P. P. Babich, O. A. Zakharov,
3 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 12,
1958, pp 1475-1477.

Instru Soc of Amer

Sci

Apr 60

113,463

The Balance Sheet of an Experimental Melt in an
Oxygen Blown Converter, by P. Ya. Sorokin. USSR

RUSSIAN, per, Stal, No 11, 1958, pp 987-992.

ISI 1649

(1A.58.02.)

Sci - Min/Int
Mar 60

111,151

Evaluation of the Structure of Some Opokas of the
Volga Region by the Sorption of Water and Benzene
Vapors, by F. A. Slisarenko, E. M. Timofeyeva,
S. I. Sorokin, V. A. Zabelin, 8 pp.

RUSSIAN, per, Zhur Prik Kniz, Vol XXX, No 8,
Aug. 1957, pp 1127-1134.

Consultants Bureau

Sci - Chem

Oct 58

75,705

Reasons for the Formation of Hyopi in Grain Mites,
by S. V. Scrokin.

RUSSIAN, per, Zool Zhur, Vol XXX, No 6, 1951,
p 523. — 132

DSIR LLU M. 1640

Sci

DLA 60-10027

Oct 61

Sorokin, V. S.

LAW OF CONSERVATION OF MOTION AND MEASURE OF MOTION IN PHYSICS. [1963] [59]p.

Order from CTS or SLA \$5.60

63-14674

Trans. of Uspekhi Fizicheskikh Nauk (USSR) 1956, v. 59, no. 2, p. 325-362.

DESCRIPTORS: *Motion, *Relativity theory, Particles, *Mass-energy relation, Velocity, *Equations of motion, Vector analysis, Transformations (Mathematics), Measurement.

(Physics--Theoretical, TT, v. 10, no. 2)

63-14674

I. Sorokin, V. S.

Office of Technical Services

Radiation Chemistry Formation of Nitrogen
Oxides in the Nitrogen-Oxygen System at
High Temperatures, by M. T. Dmitriyev,
Yu. A. Sorokin.
RUSSIAN, per, Zh Prikl Khim, Vol 37, No 4,
1964, pp 727-734.
NTIS 69-12465-97E

Yu. A. SOROKIN

Sci-Gen
Aug 65

589,396

Experimental Investigation of Bacterial Sulfate
Reduction in the Black Sea Using S^{35} by
Yu. I. ~~Sannikov~~, 7 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXXI, No 3,
1963, pp 402-410.

CB

Sci
Nov 63

243, 317

Determination of Correction Coefficients for
Self-Absorption of C_2 Emission in Estimation
of Photosynthetic and Chemosynthetic Production
in Nature, by Yu. I. Gorokhin, 7 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXXI, No 1,
1962, pp 121-128.

AIES

Sci-Biol & Med Sci
Nov 63

243, 270

Vertical Distribution of Bacteria in the Black Sea and
the Methods for Taking Samples, by Yu. I. Sorokin, 9 pp.

RUSSIAN, per, Mikrobiologiya, Vol. XXXI, No 4, 1962,
pp 684-693.

CB

Sci. -
Nov 63

243, 221

Primary Production of the Kulbyshev Reservoir,
by M. A. Salmanov, Yu. I. Sorokin.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 4,
Jul, Aug 1962, pp 603-613. 9205793

USDA Tr A-1381

Sci - Biol & Med Sci
Jul 63

236,220

Primary Production in the Atlantic Ocean,
by Yu. I. Sorokin, L. B. Klyashtorin, 34 pp
RUSSIAN, per, Vsesoyuznoe Gidrobiologicheskoe
Obshchestvo, Vol 11, 1961, pp 265-281
CFSII IIRG C-1657

Yu. I. Sorokin

343,280

Sci - Earth Sciences
Apr 67

PLANNING TIRE PRODUCTION AT KRASNOYARSK TIRE
PLANT, BY V. BRUN'KO, V. SOROKIN, 5 PP.

RUSSIAN, IF, LITERATURNAYA GAZETA, 2 OCT 1962.

JPRS 16556

USSR
ECON
DEC 62

217,302

PLANT EXPANSION SOUGHT, BY V. IGROKIN, 5PP.

RUSSIAN, SP, DOKUCHAYAYA GAZETA, NO 19,
1963, P 17.

JPRS 19619

USER
ECON
JUN 63

894,839

S-4161

(DC-1805)

Book Review: "Protection of the Soldier From Means
of Mass Destruction," by M. Bannikov, V. Sorokin,
5 pp.

RUSSIAN, no per, Voennoy Vestnik, No 8, Moscow,
Aug 1957, pp 86-88.

US JPRS/DC-L-510

USSR

Military - Antiatomic, chemical bacteriological defense
Sci - Chemistry, Anti- ABC

67,282

PC-10

(DC-3263).

New Topographical Maps, USSR, by V. Sorokin, 5 pp.

RUSSIAN, per, Vozvremeniye Znaniya, No 10, 1959,
pp 21, 22.AF 1419444
JPRS-L-26264-DUSSR
Mil
Geog
Feb 69

107694

24
Fundamental Gravity Base Stations in the USSR,
by V. A. Sarghin.
RUSSIAN, in, Gravitatsiya i Gravitatsionnaya
Razvedka, Moscow, 1951, p 92.
ACIC

Sci-Earth Sci & Astron
April 64

234,886

24
Computations of the Deflections From the Vertical
in the Moscow Region's Gravity Anomaly Area, by
V. A. Sorokin.
RUSSIAN, M., Gravitatsiya i Gravitatsionnaya
Kartografiya, Moscow, 1951, pp 363-366.
ACIC

Sci-Earth Sci & Astron
April 64

254,885

Rationalization of Conditions for Charging Raw
Materials Into Blast-Furnaces, by V. A. Sorokin,
1 p.

RUSSIAN, per, Stal, No 1, 1959, pp 15.

Iron and Steel Inst

Sci - Min/Mat

Sep 59

96,540

Magnetic Roasting of Krivoi Rog Quartzites in a
Fluidized Bed, by V. A. Sorokin, et al, 3 pp.

RUSSIAN, per, Stal, No 12, 1960, pp 1057-1060.

BISI

Sci

May 61

152, 429

Gravimetry and Gravimetric Prospecting, by V. A.
Sorokin, 36 pp.

RUSSIAN, bk, Gravimetriya i Gravimetricheskaya
Razvedka, 1951, pp 185-203 CIA 9660311, 9093853

ATTC
MCL-11/V

Sci-Geophys
March 59
Dec 60

134,068

Investigation of Water-Air Resonators, by
V. I. Sorokin, 8 pp.

RUSSIAN, per, Akust Zhur, Vol IV, No 2, 1958,
pp 187-195.

AIP
Sov Phys-Acoustics
Vol IV, No 2

May 62

195,556

The Effect of Fountain Formation at the Surface of
a Vertically Oscillating Liquid, W. I. Sorokin,
11 pp.

RUSSIAN, per, Akust Zhur, Vol III, No 3, 1957,
pp 262-273.

Amer Inst of Phys
Sov Phys - Acoustics
Vol III, No 3

Sci - Phys
Dec 58

73,136

The Chalcocite-Chalcopyrite-Bornit-Phyrrhotite
(Pyrite) Association under Hydrothermal Conditions,
by V. I. Sorokin, V. A. Shorygin, 15 pp.

RUSSIAN, per, Geokhim, No 6, 1963.

Scripta Technica

Sci

Apr 64

253,630

Kinetics of the Sulfonation of 1,3,5-Trimethylbenzene
(Mesitylene) and 1,2,4-Trimethylbenzene (Pseudo-
cumene) and Hydrolysis of Their Sulfonic Acids, by
Yu. I. Leitman, V. I. Gerokin, I. V. Tselinskiy,
8 pp.

RUSSIAN, per, Zaur Prikl Khim, Vol XXXIII, No 8,
1960, pp 1875-1882.

CB

161,108

Sci

Jul 61

Effect of Copper and Graphite on Properties of
Sintered Iron-Base Alloys, by V. K. Sorokin.

RUSSIAN, per, Metallurg Obrab Met, Dec 1960
No 12, pp 42, 43.

HB 5533

Sci.-Min/Met
Jan 63

219,915